

Statement on REACH Articles Provisions from Texas Instruments, Semiconductor Products

This document outlines Texas Instruments (TI)'s current understanding of obligations for communication of substances of very high concern in articles and disclosure of TI's actions to appropriately address such requirements.

REACH compliance status for TI products is reported on ti.com. On ti.com TI defines REACH compliance status for TI products as:

<u>Yes</u>: Fully compliant to EU REACH. There are no SVHC's above 1000ppm and no Annex XVII substances above their allowed threshold in products manufactured by TI.

<u>Affected</u>: Only used when a REACH SVHC is contained above 0.1% REACH Article threshold. Any REACH SVHC above the threshold is not restricted from use but if contained above threshold, further information must be available.

 $\underline{\text{No}}$: Not compliant to EU REACH – a restricted substance(s) under REACH Annex XVII is contained outside of allowed application.

With regard to the Substances of Very High Concern (SVHC) candidate list published on the European Chemicals Agency (ECHA) website, based on information from our suppliers and internal chemical screening processes <u>TI Semiconductor products do not contain any of the SVHC candidates listed herein above the regulatory threshold of 0.1%, unless otherwise specified:</u>

- All TI RoHS exempt products claiming a RoHS exemption other than 7(c)-I contain the SVHC lead (Pb) at greater than 0.1%. IC products do not contain any other SVHC substances at a concentration above 0.1%
- Pb above 0.1% in RoHS Exempt products claiming only Exemption 7(c)-I ("Lead in Glass") is not required to be declared as a REACH SVHC substance.
- Any other SVHC substances present in module products are declared in the detailed material content report found on ti.com.

TI is continually engaging with its suppliers to obtain additional information and assurances. As the ECHA SVHC list is updated, TI will provide information to its customers in a timely manner concerning their use or non-use within finished semiconductor products through TI's product content data base (www.ti.com/eco-info).

European Union (EU) regulation under Waste Framework Directive (WFD) for circular economy entered into force in July 2018. It gave ECHA the task to develop a database with information on articles containing Substances of Very High Concern (SVHCs) per the REACH candidate list. Subsequently, with the release of SCIP [**S**ubstances of **C**oncern **I**n articles as such or in complex objects (**P**roducts)] database on October 28, 2020, companies supplying articles containing any SVHC in a concentration above 0.1% weight by weight (w/w) on the EU market were required to submit information on these articles to the European Chemical Agency (ECHA) by January 5, 2021.

TI has supported this requirement and has uploaded dossiers for the affected products to the SCIP database well before the Jan 5 deadline date, and has received confirmation of successful submissions with associated SCIP reference numbers. SCIP reference numbers for TI products are available upon request.

In some of TI's Bill of Materials descriptions Boron trioxide (B_2O_3) (CAS #1303-86-2) will be used as a component of glass. The use of B_2O_3 is as a chemical intermediate to make glass and is therefore not an SVHC. There are no known uses of REACH SVHCs contained in packing materials used for shipping TI IC products.

The following list of SVHC candidates was last updated by ECHA on November 7, 2024 and includes 242 substances.

| Initial: REACH Candidate List on 28 October 2008 | | | | |
|---|--|------------------------|---|--|
| Substance Category Name | CAS number(s) published by ECHA | EC number | Identification as a Basic SVHC | |
| Triethyl arsenate | 15606-95-8 | 427-700-2 | Carcinogenic, article 57a | |
| Sodium dichromate, dihydrate | 7789-12-0, 10588-01-9 | 234-190-3 | Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c | |
| Lead hydrogen arsenate | 7784-40-9 | 232-064-2 | Carcinogenic and toxic for reproduction, article 57a & 57c | |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers | 25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8 | 247-148-4 221-695-9 | PBT, article 57d | |
| Dibutyl phthalate (DBP) | 84-74-2 | 201-557-4 | Toxic for reproduction, article 57c | |
| Diarsenic trioxide | 1327-53-3 | 215-481-4 | Carcinogenic, article 57a | |
| Diarsenic pentoxide | 1303-28-2 | 215-116-9 | Carcinogenic, article 57a | |
| Tributyl tin oxide (TBTO) | 56-35-9 | 200-268-0 | PBT, article 57d | |
| Bis (2-ethylhexyl) phthalate (DEHP) | 117-81-7 | 204-211-0 | Toxic for reproduction, article 57c Also Included on REACH SVHC List 2014/12/17 | |
| Benzyl butyl phthalate (BBP) | 85-68-7 | 201-622-7 | Toxic for reproduction, article 57c | |
| Anthracene | 120-12-7 | 204-371-1 | PBT, article 57d | |
| Alkanes, Shortchain Chlorinated Paraffins (C10 - C13) | 85535-84-8 | 287-476-5 | PBT and vPvB, article 57d & e | |
| 5-tert-butyl-2,4,6-trinitro-m-xylene | 81-15-2 | 201-329-4 | vPvB, article 57e | |
| 4,4'- Diaminodiphenylmethane | 101-77-9 | 202-974-4 | Carcinogenic, article 57a | |
| Cobalt dichloride (CoCl2) | 7646-79-9 | 231-589-4 | Carcinogenic and toxic for reproduction, article 57a & 57c Also Included on REACH SVHC List 2011/06/20 | |

| | ACH Candidate | | - |
|---|--|-------------------------|--|
| Tris (2-chloroethyl) phosphate (TCEP) | 115-96-8 | 204-118-5 | Toxic for reproduction, article 57c |
| Coal tar pitch, high temperature | 65996-93-2 | 266-028-2 | Carcinogenic, PBT and vPvB, articles a, d & e |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | 215-693-7 | Carcinogenic, toxic for reproduction, article 57a & 57c |
| Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | 235-759-9 | Carcinogenic and toxic for reproduction, article 57a & 57c |
| Lead chromate | 7758-97-6 | 231-846-0 | Carcinogenic and toxic for reproduction, article 57a & 57c |
| Diisobutyl phthalate (DIBP) | 84-69-5 | 201-553-2 | Toxic for reproduction, article 57c |
| Anthracene oil, anthracene paste, distn. Lights | 91995-17-4 | 295-278-5 | Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e |
| Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 | Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e |
| Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e |
| Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e |
| Anthracene oil | 90640-80-5 | 292-602-7 | Carcinogenic, PBT and vPvB, articles a, d & e |
| 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | Carcinogenic, article 57a |
| Update: R | EACH Candidat | e List on 30 Ma | arch 2010 |
| Acrylamide | 79-06-1 | 201-173-7 | Carcinogenic and mutagenic, article 57a & 57b |
| Update: I | REACH Candida | te List on 18 Ju | une 2010 |
| Sodium chromate | 7775-11-3 | 231-889-5 | Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c |
| Potassium chromate | 7789-00-6 | 232-140-5 | Carcinogenic, mutagenic, article 57a & 57b |
| Ammonium dichromate | 7789-09-5 | 232-143-1 | Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c |
| Potassium dichromate | 7778-50-9 | 231-906-6 | Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c |
| Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | 235-541-3 | Toxic for reproduction, article 57c |
| Disodium tetraborate, anhydrous | 1303-96-4, 1330-43-4, 12179-04-3 | 215-540-4 | Toxic for reproduction, article 57c |
| Boric acid | 10043-35-3, 11113-50-1 | 233-139-2, 234-343-4 | Toxic for reproduction, article 57c |
| Trichloroethylene | 79-01-6 | 201-167-4 | Carcinogenic, article 57a |
| • | CH Candidate I | ist on 15 Dece | |
| • | | | Carcinogenic and mutagenic, article 57a & |
| Chromium Trioxide | 1333-82-0 | 215-607-8 | 57b |
| Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. | 7738-94-5, 13530-68-2 | 231-801-5, 236-881-5 | Carcinogenic, article 57a |
| 2-Ethoxyethanol | 110-80-5 | 203-804-1 | Toxic for reproduction, article 57c |
| 2-Methoxyethanol | 109-86-4 | 203-713-7 | Toxic for reproduction, article 57c |
| Cobalt(II) Diacetate | 71-48-7 | 200-755-8 | Carcinogenic and toxic for reproduction, article 57a & 57C |
| Cobalt(II) Carbonate | 513-79-1 | 208-169-4 | Carcinogenic and toxic for reproduction, article 57a & 57C |
| Cobalt(II) Dinitrate | 10141-05-6 | 233-402-1 | Carcinogenic and toxic for reproduction, article 57a & 57C |
| Cobalt(II) Sulphate | 10124-43-3 | 233-334-2 | Carcinogenic and toxic for reproduction, article 57a & 57c |
| Update: R | REACH Candidat | te List on 20 Ju | ıne 2011: |
| 1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP) | 68515-42-4 | 271-084-6 | Toxic for reproduction, article 57c |
| 1,2,3-Trichloropropane | 96-18-4 | 202-486-1 | Carcinogenic and toxic for reproduction, article 57a & 57C |
| 1-Methyl-2-pyrrolidone | 872-50-4 | 212-828-1 | Toxic for reproduction, article 57c |

| Hydrazine | 302-01-2, 7803-57-8 | 206-114-9 | Carcinogenic, article 57a |
|---|---------------------------------|--------------------------------|--|
| 1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP) | 71888-89-6 | 276-158-1 | Toxic for reproduction, article 57c |
| Strontium chromate | 7789-06-2 | 232-142-6 | Carcinogenic, article 57a |
| 2-Ethoxyethyl acetate | 111-15-9 | 203-839-2 | Toxic for reproduction, article 57c |
| Update: REA | CH Candidate I | List on 19 Dece | ember 2011: |
| 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4 | 202-918-9 | Carcinogenic, article 57a |
| Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | Toxic for reproduction, article 57c |
| Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | Toxic for reproduction, article 57c |
| Calcium arsenate | 7778-44-1 | 231-904-5 | Carcinogenic, article 57 a |
| Potassium hydroxyoctaoxodizincatedichromate | 11103-86-9 | 234-329-8 | Carcinogenic, article 57 a |
| Lead dipicrate | 6477-64-1 | 229-335-2 | Toxic for reproduction, article 57c |
| N,N-dimethylacetamide | 127-19-5 | 204-826-4 | Toxic for reproduction, article 57c |
| Arsenic acid | 7778-39-4 | 231-901-9 | Carcinogenic, article 57 a |
| 2-Methoxyaniline; o-Anisidine | 90-04-0 | 201-963-1 | Carcinogenic, article 57 a |
| Trilead diarsenate | 3687-31-8 | 222-979-5 | Carcinogenic and toxic for reproduction, article 57a & 57C |
| 1,2-dichloroethane | 107-06-2 | 203-458-1 | Carcinogenic, article 57 a |
| Pentazinc chromate octahydroxide | 49663-84-5 | 256-418-0 | Carcinogenic, article 57 a |
| Formaldehyde, oligomeric reaction products with aniline | 25214-70-4 | 500-036-1 | Carcinogenic, article 57 a |
| 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | 205-426-2 | Equivalent level of concern having probable serious effects to the environment, article 57 f |
| Lead diazide, Lead azide | 13424-46-9 | 236-542-1 | Toxic for reproduction, article 57c |
| Phenolphthalein | 77-09-8 | 201-004-7 | Carcinogenic, article 57 a |
| Dichromium tris(chromate) | 24613-89-6 | 246-356-2 | Carcinogenic, article 57 a |
| Lead styphnate Zirconia Aluminosilicate Refractory Ceramic | 15245-44-0 | 239-290-0 | Toxic for reproduction, article 57c Carcinogenic, article 57 a |
| of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight | No CAS number(s) provided | No EC number(s) provided | 13/01/2010 |
| Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight | No CAS number(s) provided | No EC number(s) provided | Carcinogenic, article 57 Was also on REACH SVHC list published 13/01/2010 |

| Update: REACH Candidate List on 18 June 2012: | | | | | |
|--|---|---|--|--|--|
| Diboron trioxide | 1303-86-2 | 215-125-8 | Toxic for reproduction, article 57c | | |
| Lead(II) bis(methanesulfonate) | 17570-76-2 | 401-750-5 | Toxic for reproduction, article 57c | | |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | Toxic for reproduction, article 57c | | |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | Toxic for reproduction, article 57c | | |
| Formamide | 75-12-7 | 200-842-0 | Toxic for reproduction, article 57c | | |
| 1,3,5-tris(oxiran-2-ylmethyl)-1,3,5- triazinane-2,4,6-trione (TGIC) | 2451-62-9 | 219-514-3 | Mutagenic (Article 57b) | | |
| 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]- 1,3,5-triazine- 2,4,6-(1H,3H,5H)-trione (B-TGIC) | 59653-74-6 | 423-400-0 | Mutagenic (Article 57b) | | |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | Carcinogenic, article 57a | | |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | Carcinogenic (Article 57a) | | |
| [4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with greater than or equal to 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 2580-56-5 | 219-943-6 | Carcinogenic, article 57a | | |
| a,a-Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) [with greater than or equal to 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 6786-83-0 | 229-851-8 | Carcinogenic (Article 57a) | | |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa- 2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with greater than or equal to 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 548-62-9 | 208-953-6 | Carcinogenic (Article 57a) | | |
| 4,4'-bis(dimethylamino)-4"- (methylamino)trityl alcohol [with greater than or equal to 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202- 959-2)] | 561-41-1 | 209-218-2 | Carcinogenic, article 57a | | |
| Update: REA | ACH Candidate | List on 19 Dec | ember 2012 | | |
| Pyrochlore, antimony lead yellow | 8012-00-8 | 232-382-1 | Toxic for reproduction (Article 57 c) | | |
| 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | Carcinogenic (Article 57a) | | |
| Henicosafluoroundecanoic acid | 2058-94-8 | 218-165-4 | vPvB (Article 57 e) | | |
| Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | Equivalent level of concern having probable serious effects to human health (Article 57 f) | | |
| Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and transisomers [1] are covered by this entry] | 85-42-7, 13149-00-3, 14166-21-3 | 201-604-9, 236-086-3, 238-009-9 | Equivalent level of concern having probable serious effects to human health (Article 57 f) | | |
| Dibutyltin dichloride (DBTC) | 683-18-1 | 211-670-0 | Toxic for reproduction (Article 57 c) | | |

| | 12011.06.5 | 227 426 2 | I = |
|--|-------------|-----------|--|
| Lead bis(tetrafluoroborate) | 13814-96-5 | 237-486-0 | Toxic for reproduction (Article 57 c) |
| Lead dinitrate | 10099-74-8 | 233-245-9 | Toxic for reproduction (Article 57 c) |
| Silicic acid, lead salt | 11120-22-2 | 234-363-3 | Toxic for reproduction (Article 57 c) |
| 4-Aminoazobenzene | 60-09-3 | 200-453-6 | Carcinogenic (Article 57a) |
| Lead titanium zirconium oxide | 12626-81-2 | 235-727-4 | Toxic for reproduction (Article 57 c) |
| Lead monoxide (lead oxide) | 1317-36-8 | 215-267-0 | Toxic for reproduction (Article 57 c) |
| o-Toluidine | 95-53-4 | 202-429-0 | Carcinogenic (Article 57a) |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | Toxic for reproduction (Article 57c) |
| Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] | 68784-75-8 | 272-271-5 | Toxic for reproduction (Article 57 c) |
| Trilead bis(carbonate)dihydroxide | 1319-46-6 | 215-290-6 | Toxic for reproduction (Article 57 c) |
| Furan | 110-00-9 | 203-727-3 | Carcinogenic (Article 57a) |
| N,N-dimethylformamide | 68-12-2 | 200-679-5 | Toxic for reproduction (Article 57 c) |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | - | - | Equivalent level of concern having probable serious effects to human health (Article 57 f) |
| 4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | - | - | Equivalent level of concern having probable serious effects to human health (Article 57 f) |
| 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | Carcinogenic (Article 57a) |
| Diethyl sulphate | 64-67-5 | 200-589-6 | Carcinogenic (Article 57a); Mutagenic (Article 57b) |
| Dimethyl sulphate | 77-78-1 | 201-058-1 | Carcinogenic (Article 57a) |
| Lead oxide sulfate | 12036-76-9 | 234-853-7 | Toxic for reproduction (Article 57 c) |
| Lead titanium trioxide | 12060-00-3 | 235-038-9 | Toxic for reproduction (Article 57 c) |
| Acetic acid, lead salt, basic | 51404-69-4 | 257-175-3 | Toxic for reproduction (Article 57 c) |
| [Phthalato(2-)]dioxotrilead | 69011-06-9 | 273-688-5 | Toxic for reproduction (Article 57 c) |
| Bis(pentabromophenyl)ether decabromodiphenyl ether; DecaBDE) | 1163-19-5 | 214-604-9 | PBT (Article 57 d); vPvB (Article 57 e) |
| N-methylacetamide | 79-16-3 | 201-182-6 | Toxic for reproduction (Article 57c) |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | 201-861-7 | Toxic for reproduction (Article 57c) |
| 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | Toxic for reproduction (Article 57 c) |
| Tetralead trioxide sulphate | 12202-17-4 | 235-380-9 | Toxic for reproduction (Article 57c) |
| N-pentyl-isopentylphthalate | 776297-69-9 | - | Toxic for reproduction (Article 57 c) |
| Dioxobis(stearato)trilead | 12578-12-0 | 235-702-8 | Toxic for reproduction (Article 57 c) |
| Tetraethyllead | 78-00-2 | 201-075-4 | Toxic for reproduction (Article 57c) |
| Pentalead tetraoxide sulphate | 12065-90-6 | 235-067-7 | Toxic for reproduction (Article 57 c) |
| Pentacosafluorotridecanoic acid | 72629-94-8 | 276-745-2 | vPvB (Article 57 e) |
| Tricosafluorododecanoic acid | 307-55-1 | 206-203-2 | vPvB (Article 57 e) |
| Heptacosafluorotetradecanoic acid | 376-06-7 | 206-803-4 | vPvB (Article 57 e) |
| 1-bromopropane (n-propyl bromide) | 106-94-5 | 203-445-0 | Toxic for reproduction (Article 57 c) |
| Methoxyacetic acid | 625-45-6 | 210-894-6 | Toxic for reproduction (Article 57 c) |
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 95-80-7 | 202-453-1 | Carcinogenic (Article 57a) |
| Methyloxirane (Propylene oxide) | 75-56-9 | 200-879-2 | Carcinogenic (Article 57a); Mutagenic (Article 57b) |
| Trilead dioxide phosphonate | 12141-20-7 | 235-252-2 | Toxic for reproduction (Article 57c) |
| o-aminoazotoluene | 97-56-3 | 202-591-2 | Carcinogenic (Article 57a) |
| 1,2-Benzenedicarboxylic acid, dipentylester, | | | |
| branched and linear | 84777-06-0 | 284-032-2 | Toxic for reproduction (Article 57 c) |

| Orange lead (lead tetroxide) | 1314-41-6 | 215-235-6 | Toxic for reproduction (Article 57 c) |
|---|----------------|-------------------------|---|
| Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | Carcinogenic (Article 57a) |
| Diisopentylphthalate (DIPP) | 605-50-5 | 210-088-4 | Toxic for reproduction (Article 57 c) |
| Fatty acids, C16-18, lead salts | 91031-62-8 | 292-966-7 | Toxic for reproduction (Article 57 c) |
| Diazene-1,2-dicarboxamide (C,C'- | 123-77-3 | 204-650-8 | Equivalent level of concern having probable |
| azodi(formamide)) (ADCA) | | | serious effects to human health (Article 57 f) |
| Sulfurous acid, lead salt, dibasic | 62229-08-7 | 263-467-1 | Toxic for reproduction (Article 57 c) |
| Lead cyanamidate | 20837-86-9 | 244-073-9 | Toxic for reproduction (Article 57 c) |
| Update: F | REACH Candidat | te List on 20 J | |
| Cadmium | 7440-43-9 | 231-152-8 | Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57f) |
| Cadmium oxide | 1306-19-0 | 215-146-2 | Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57f) |
| Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 206-397-9 | Toxic for reproduction (Article 57c); PBT (Article 57d) |
| Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 | Toxic for reproduction (Article 57c); PBT (Article 57d) |
| Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 | Toxic for reproduction (Article 57c) |
| 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | - | - | Equivalent level of concern having probable serious effects to the environment (Article 57f) |
| Update: REA | ACH Candidate | List on 16 Dec | rember 2013 |
| Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo] [1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo) naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 1937-37-7 | 217-710-3 | Carcinogenic (Article 57a) |
| Trixylyl phosphate | 25155-23-1 | 246-677-8 | Toxic for reproduction (Article 57c) |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 | 209-358-4 | Carcinogenic (Article 57a) |
| Dihexyl phthalate | 84-75-3 | 201-559-5 | Toxic for reproduction (Article 57c) |
| Imidazolidine-2-thione; (2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | Toxic for reproduction (Article 57c) |
| Cadmium sulphide | 1306-23-6 | 215-147-8 | Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57f) |
| Lead di(acetate) | 301-04-2 | 206-104-4 | Toxic for reproduction (Article 57c) |
| Update: I | REACH Candida | te List on 16 J | une 2014 |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 | Toxic for reproduction (Article 57c) |
| Cadmium chloride | 10108-64-2 | 233-296-7 | Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57 f) |
| Sodium perborate; perboric acid, sodium salt | - | 239-172-9; 234-390-0 | Toxic for reproduction (Article 57c) |
| Sodium peroxometaborate | 7632-04-4 | 231-556-4 | Toxic for reproduction (Article 57c) |
| • | REACH Candida | ite List on 17 | · · · · · · · · · · · · · · · · · · · |
| Cadmium fluoride | 7790-79-6 | 232-222-0 | Carcinogenic (Article 57a): Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57f) |

| Cadmium sulfate | 10124-36-4 31119-53-6 | 233-331-6 | Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57 f) | | |
|---|-------------------------------------|------------------------------------|---|--|--|
| 2-Benzotriazoi-2-yl-4, 6-di-tert-butyphenol (UV-320) | 3846-71-7 | 223-346-6 | PBT (Article 57d); vPvB (Article 57e) | | |
| 2-(2H-benzotriazol-2-yl)-4, 6- ditertpentylphenol (UV-328) | 25973-55-1 | 247-384-8 | PBT (Article 57d); vPvB (Article 57e) | | |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatefradecanoate (DOTE) | 15571-58-1 | 239-622-4 | Toxic for reproduction (Article 57c) | | |
| reaction mass of 2-ethylhexyl 10-ethyl-4,4-dloctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-ll2[(2ethylhexyl)oxy)-2-oxoethyl)thio}-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | - | - | Toxic for reproduction (Article 57c) | | |
| Update: | REACH Candida | ate List on 15 | Jun 2015 | | |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with greater than or equal to 0.3% of dihexyl phthalate | 68515-51-5, 68648-93-1 | 271-094-0; 272-013-1 | Toxic for reproduction (Article 57c) | | |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof] | No CAS number(s) provided | No EC number(s) provided | vPvB (Article 57e) | | |
| Update: | REACH Candida | ite List on 17 | Dec 2015 | | |
| 1,3-propanesultone | 1120-71-4 | 214-317-9 | Carcinogenic (Article 57 a) | | |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2- yl)phenol (UV-327) | 3864-99-1 | 223-383-8 | vPvB (Article 57 e) | | |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6- (sec-butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 | vPvB (Article 57 e) | | |
| Nitrobenzene | 98-95-3 | 202-716-0 | Toxic for reproduction (Article 57 c) | | |
| Perfluorononan-1-oic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | 206-801-3 | Toxic for reproduction (Article 57 c); PBT (Article 57 d) | | |
| Update: I | REACH Candida | te List on 20 3 | lune 2016 | | |
| Benzo[def]chrysene | 50-32-8 | 200-028-5 | Carcinogenic (Article 57 a), Mutagenic (Article 57b), Toxic for reproduction (Article 57c), PBT (Article 57 d), vPvB (Article 57 e) | | |
| Update: REACH Candidate List on 12 January 2017 | | | | | |
| 4,4'-isopropylidenediphenol (bisphenol A; BPA) | 201-245-8 | 80-05-7 | Toxic for reproduction (Article 57c) | | |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 206-400-3 | 335-76-2 3830-45-3 3108-42-7 | Toxic for reproduction (Article 57c) PBT (Article 57d) | | |
| p-(1,1-dimethylpropyl)phenol | 201-280-9 | 80-46-6 | Equivalent level of concern having probable serious effects to environment (Article 57f) | | |
| 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | - | - | Equivalent level of concern having probable serious effects to environment (Article 57f) | | |

| Update: | REACH Candida | ate List on 7 J | uly 2017 | | | |
|---|---------------------------|-----------------|--|--|--|--|
| Perfluorohexane-1-sulphonic acid and its salts PFHxS | | | vPvB (Article 57e) | | | |
| Update: REACH Candidate List on 15 January 2018 | | | | | | |
| Benz[a]anthracene | 56-55-3, 1718-53-2 | 200-280-6 | Carcinogenic (Article 57a); PBT (Article 57d) vPvB (Article 57e) | | | |
| Cadmium carbonate | 513-78-0 | 208-168-9 | Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | | | |
| Cadmium hydroxide | 21041-95-2 | 244-168-5 | Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | | | |
| Cadmium nitrate | 10022-68-1, 10325-94-7 | 233-710-6 | Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | | | |
| Chrysene | 218-01-9, 1719-03-5 | 205-923-4 | Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e) | | | |
| Dodecachloropentacyclo[12.2.1.16,9.02,13.0 5,10]octadeca-7,15-diene ("Dechlorane Plus" [™]) | | | vPvB (Article 57e) | | | |
| Reaction products of 1,3,4-thiadiazolidine- 2,5-dithione, formaldehyde and 4- heptylphenol, branched and linear (RP-HP) | | | Endocrine disrupting properties (Article 57(f) – environment | | | |
| Update: I | REACH Candida | te List on 27 3 | lune 2018 | | | |
| Benzene-1,2,4-tricarboxylic acid 1,2 anhydride | 552-30-7 | 209-008-0 | Respiratory sensitising properties (Article 57(f) - human health) | | | |
| Benzo[ghi]perylene | 191-24-2 | 205-883-8 | PBT (Article 57d); vPvB (Article 57e) | | | |
| Decamethylcyclopentasiloxane | 541-02-6 | 208-764-9 | PBT (Article 57d); vPvB (Article 57e) | | | |
| Dicyclohexyl phthalate | 84-61-7 | 201-545-9 | Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - human health) | | | |
| Disodium octaborate | 12008-41-2 | 234-541-0 | Toxic for reproduction (Article 57c) | | | |
| Dodecamethylcyclohexasiloxane | 540-97-6 | 208-762-8 | PBT (Article 57d); vPvB (Article 57e) | | | |
| Ethylenediamine | 107-15-3 | 203-468-6 | Respiratory sensitising properties (Article 57(f) - human health) | | | |
| Lead | 7439-92-1 | 231-100-4 | Toxic for reproduction (Article 57c) | | | |
| Octamethylcyclotetrasiloxane | 556-67-2 | 209-136-7 | PBT (Article 57d); vPvB (Article 57e) | | | |
| Terphenyl, hydrogenated | 61788-32-7 | 262-967-7 | vPvB (Article 57e) | | | |
| Update: RE | ACH Candidate | List on 15 Ja | nuary 2019 | | | |
| 1,7,7-trimethyl-3- (phenylmethylene)bicyclo[2.2.1]heptan-2-one | 15087-24-8 | 239-139-9 | Endocrine disrupting properties (Article 57(f) - environment) | | | |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 401-720-1 | Toxic for reproduction (Article 57c); Carcinogenic (Article 57a) | | | |
| Benzo[k]fluoranthene | 207-08-9 | 205-916-6 | Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e) | | | |
| Fluoranthene | 206-44-0; 93951-69-0 | 205-912-4 | PBT (Article 57d); vPvB (Article 57e) | | | |
| Phenanthrene | 85-01-8 | 201-581-5 | vPvB (Article 57e) | | | |
| Pyrene | 129-00-0; 1718-52-1 | 204-927-3 | PBT (Article 57d); vPvB (Article 57e) | | | |
| *Note: Products identified at www.ti.com/ecoint >0.1% or 1000ppm. | | pt or RoHS Out | :-of-Scope, contain Lead, CAS #7439-92-1 at | | | |

| Update: | REACH Candida | te List on 16 . | July 2019 |
|--|---------------|-----------------|--|
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides | - | - | Endocrine disrupting properties (Article 57(f) |
| covering any of their individual isomers and combinations thereof | | | - environment) |
| 2-methoxyethyl acetate | 110-49-6 | 203-772-9 | Toxic for reproduction (Article 57c) |
| 4-tert-butylphenol | 98-54-4 | 202-679-0 | Endocrine disrupting properties (Article 57(f) - environment) |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | - | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Update: RE | ACH Candidate | List on 16 Ja | nuary 2020 |
| Perfluorobutane sulfonic acid (PFBS) and its salts | - | - | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article |
| Diisohexyl phthalate | 71850-09-4 | 276-090-2 | 57(f) - environment) Toxic for reproduction (Article 57c) |
| 2-methyl-1-(4-methylthiophenyl)-2- | 71030 09 4 | 270 030 2 | |
| morpholinopropan-1-one 2-benzyl-2-dimethylamino-4'- | 71868-10-5 | 400-600-6 | Toxic for reproduction (Article 57c) |
| morpholinobutyrophenone | 119313-12-1 | 404-360-3 | Toxic for reproduction (Article 57c) |
| Update: I | REACH Candida | te List on 26 3 | June 2020 |
| 1-vinylimidazole | 1072-63-5 | 214-012-0 | Toxic for reproduction (Article 57c) |
| 2-methylimidazole | 693-98-1 | 211-765-7 | Toxic for reproduction (Article 57c) |
| Dibutylbis(pentane-2,4-dionato-0,0')tin | 22673-19-4 | 245-152-0 | Toxic for reproduction (Article 57c) |
| Butyl 4-hydroxybenzoate (Butylparaben) | 94-26-8 | 202-318-7 | Endocrine disrupting properties - human health (Article 57(f) - human health) |
| Update: RE | ACH Candidate | List on 19 Ja | |
| Bis(2-(2-methoxyethoxy)ethyl)ether | 143-24-8 | 205-594-7 | Toxic for reproduction (Article 57c) |
| Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | - | - | Toxic for reproduction (Article 57c) |
| Update: | REACH Candida | ate List on 8 J | uly 2021 |
| Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | - | - | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) |
| Phenol, dodecyl-, branched | 121158-58-5 | 310-154-3 | , |
| Phenol, (tetrapropenyl) derivatives | 74499-35-7 | - | |
| Phenol, 4-dodecyl, branched | 210555-94-5 | - | |
| 4-isododecylphenol | 27459-10-5 | = | |
| Phenol, tetrapropylene- | 57427-55-1 | 1 | |
| Phenol, 4-isododecyl- | 27147-75-7 | - | |
| Orthoboric acid, sodium salt | - | - | Toxic for reproduction (Article 57c) |
| Boric acid (H3BO3), sodium salt, hydrate | 25747-83-5 | - | |
| Boric acid (H3BO3), disodium salt | 22454-04-2 | - | |
| Trisodium orthoborate | 14312-40-4 | 238-253-6 | |
| Boric acid, sodium salt | 1333-73-9 | 215-604-1 | |
| Orthoboric acid, sodium salt | 13840-56-7 | 237-560-2 | |
| Boric acid (H3BO3), sodium salt (1:1) | 14890-53-0 | - | |
| | | | |

| Medium-chain chlorinated paraffins (MCCP) | | | |
|---|------------------|------------------|--|
| UVCB substances consisting of more than or equal to | | | PBT (Article 57d) |
| 80% linear chloroalkanes with carbon chain lengths | - | - | vPvB (Article 57e) |
| within the range from C14 to C17 | | | |
| Alkanes, C14-16, chloro | 1372804-76-6 | - | |
| Alkanes, C14-17, chloro | 85535-85-9 | 287-477-0 | |
| di-, tri- and tetrachlorotetradecane Tetradecane, chloro derivs. | - 198840-65-2 | 950-299-5 | |
| retradecane, chloro derivs. | | - | Respiratory sensitising properties (Article 57(f) |
| Glutaral | 111-30-8 | 203-856-5 | - human health) Endocrine disrupting properties (Article 57(f) - |
| | | | environment) |
| 4,4'-(1-methylpropylidene)bisphenol | 77-40-7 | 201-025-1 | Endocrine disrupting properties (Article 57(f) - human health) |
| 2-(4-tert-butylbenzyl)propionaldehyde and its | | | , |
| individual stereoisomers | - | - | Toxic for reproduction (Article 57c) |
| (2R)-3-(4-tert-butylphenyl)-2-methylpropanal | 75166-31-3 | - | |
| 2-(4-tert-butylbenzyl)propionaldehyde | 80-54-6 | 201-289-8 | |
| (2S)-3-(4-tert-butylphenyl)-2-methylpropanal | 75166-30-2 | - | |
| 2,2-bis(bromomethyl)propane-1,3-diol (BMP); | | | |
| 2,2-dimethylpropan-1-ol, tribromo derivative/3- | _ | _ | Carcinogenic (Article 57a) |
| bromo-2,2-bis(bromomethyl)-1-propanol | | _ | Carcinogenic (Article 37a) |
| (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | | | |
| 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) | 36483-57-5 | 253-057-0 | |
| 3-bromo-2,2-bis(bromomethyl)-1-propanol | 155-92-5 | _ | |
| (TBNPA) 2,2-bis(bromomethyl)propane-1,3-diol (BMP) | | | |
| 2,3-dibromo-1-propanol (2,3-DBPA) | 3296-90-0 | 221-967-7 | |
| 2,3-dibroffio-1-propatiof (2,3-DBPA) | 96-13-9 | 202-480-9 | |
| 1,4-dioxane | 123-91-1 | 204-661-8 | Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) |
| Update: R | EACH Candidate | e List on 17 Ja | anuary 2022 |
| tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | 213-934-0 | Toxic for reproduction (Article 57c) |
| S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O- | | | |
| (isopropyl or isobutyl or 2-ethylhexyl) O- (isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 | 401-850-9 | PBT (Article 57d) |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 119-47-1 | 204-327-1 | Toxic for reproduction (Article 57c) |
| (±)-1,7,7-trimethyl-3-[(4- | | | |
| methylphenyl)methylene]bicyclo[2.2.1]heptan- 2-one covering any of the individual isomers and/or combinations thereof (4-MBC) | - | - | Endocrine disrupting properties (Article 57(f) - human health) |
| (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one | 1782069-81-1 | - | |
| (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one | 95342-41-9 | - | |
| (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one | 852541-25-4 | - | |
| (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene] bicyclo[2.2.1]heptan-2-one | 36861-47-9 | 253-242-6 | |
| (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one | 741687-98-9 | - | |
| (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one | 852541-30-1 | - | |
| (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one | 852541-21-0 | - | |
| | REACH Candida | nte List on 10 . | June 2022 |
| | | ı | C |
| N-(hydroxymethyl)acrylamide | 924-42-5 | 213-103-2 | Carcinogenic (Article 57a); Mutagenic (Article 57b) |
| N-(hydroxymethyl)acrylamide | 924-42-5 | 213-103-2 | Mutagenic (Article 57a); Mutagenic (Article 57b) |

| Update: Ri | EACH Candidate | e List on 17 Ja | nnuary 2023 |
|---|----------------|-----------------|--|
| 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] | 37853-59-1 | 253-692-3 | Very persistent and very bioaccumulative (REACH Article 57 e) |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 79-94-7 | 201-236-9 | Carcinogenic (Article 57 a) |
| 4,4'-sulphonyldiphenol | 80-09-1 | 201-250-5 | Toxic for reproduction (Article 57 c); Endocrine disrupting properties (Article 57 f – environment); Endocrine disrupting properties (Article 57 f – human health) |
| Barium diboron tetraoxide | 13701-59-2 | 237-222-4 | Toxic for reproduction (Article 57 c) |
| Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | - | - | Very persistent and very bioaccumulative (Article 57 e) |
| Isobutyl 4-hydroxybenzoate | 4247-02-3 | 224-208-8 | Endocrine disrupting properties (Article 57 f – human health) |
| Melamine | 108-78-1 | 203-615-4 | Equivalent level of concern having probable serious effects to human health (Article 57 f – human health); Equivalent level of concern having probable serious effects to the environment (Article 57 f – environment) |
| Perfluoroheptanoic acid and its salts | - | 1 | Toxic for reproduction (Article 57 c); Persistent, bioaccumulative and toxic (Article 57 d); Very persistent and very bioaccumulative (Article 57 e); Equivalent level of concern having probable serious effects to human health (Article 57 f - human health); Equivalent level of concern having probable serious effects to the environment (Article 57 f - environment) |
| reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | - | 473-390-7 | Very persistent and very bioaccumulative (Article 57 e) |
| Update: | REACH Candida | nte List on 14 | June 2023 |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | 278-355-8 | Toxic for reproduction (Article 57c) |
| Bis(4-chlorophenyl) sulphone | 80-07-9 | 201-247-9 | vPvB (Article 57 e) |
| Update: Ri | EACH Candidate | e List on 23 Ja | nnuary 2024 |
| 2,4,6-tri-tert-butylphenol | 732-26-3 | 211-989-5 | Toxic for reproduction (Article 57c); PBT (Article 57d) |
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3- tetramethylbutyl)phenol | 3147-75-9 | 221-573-5 | vPvB (Article 57 e) |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]- 1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 | 438-340-0 | Toxic for reproduction (Article 57 c) |
| Bumetrizole | 3896-11-5 | 223-445-4 | vPvB (Article 57 e) |
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | - | 700-960-7 | vPvB (Article 57 e) |
| Update: | REACH Candida | ate List on 27 | June 2024 |
| Bis(a,a-dimethylbenzyl) peroxide | 80-43-3 | 201-279-3 | Toxic for reproduction (Article 57c) |
| Update: RE | ACH Candidate | List on 7 Nov | rember 2024 |
| Triphenyl Phosphate | 115-86-6 | 204-112-2 | Endocrine disrupting properties (Article 57 f – environment) |

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Signature: Frm Yoon

Name/Title: Fern Yoon, Worldwide Quality

Date: 12/9/2024

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